

Rare and Endangered Species for San Luis Obispo County, Listed by Common Name (revised 04/09/2006)

Type	COMMON NAME	SCIENTIFIC NAME	FED	CA	CNPS List	Bloom/IID	NDDDB	PG
Plant List (Animals found on next sheet)			(R & E Spp Descriptions)		(Definitions)			
Plant	Adobe sanicle	<i>Sanicula maritima</i>	--	SR	List 1B	Feb-Mar	G2/S2.2	1
Plant	Arroyo de la Cruz manzanita	<i>Arctostaphylos cruzensis</i>	--	--	List 1B	Dec-Mar	G2/S2.2	2
Plant	Arroyo de la Cruz mariposa lily	<i>Calochortus clavatus</i> ssp. <i>recurvifolius</i>	--	--	List 1B	June-July	G4T1/S1.2	3
Plant	Beach spectaclepod	<i>Dithyrea maritima</i>	--	ST	List 1B	Mar-May	G2/S2.1	4
Plant	Black-flowered figwort	<i>Scrophularia atrata</i>	--	--	List 1B		G2/S2.2	5
Plant	Blochman's dudleya	<i>Dudleya blochmaniae</i> ssp. <i>Bbochmaniae</i>	--	--	List 1B		G2T2/S2.1	6
Plant	Blochman's leafy daisy	<i>Erigeron blochmaniae</i>	--	--	List 1B		G2/S2.2	7
Plant	Bonny Doon manzanita	<i>Arctostaphylos silvicola</i>	--	--	List 1B	Feb-Mar	G2/S2.1	85
Plant	Brewer's spineflower	<i>Chorizanthe breweri</i>	--	--	List 1B	May-Aug	G2/S2.2	8
Plant	California seablite	<i>Suaeda californica</i>	FE	--	List 1B	July-Oct	G1/S1.1	10
Plant	California jewel-flower	<i>Caulanthus californicus</i>	FE	SE	List 1B	Feb-May	G1/S1.1	9
Plant	Camatta Canyon amole	<i>Chlorogalum purpureum</i> var. <i>reductum</i>	FT	SR	List 1B	Apr-May	G1T1/S1.1	11
Plant	Cambria morning glory	<i>Calystegia subacaulis</i> ssp. <i>episcopalis</i>	--	--	List 1B		G3T1/S1.2	12
Plant	Carmel Valley bush mallow	<i>Malacothamnus palmeri</i> var. <i>involucratus</i>	--	--	List 1B		G3TSQ/S2.2	13
Plant	Chorro Creek bog thistle	<i>Cirsium fontinale</i> var. <i>obispoense</i>)	FE	SE	List 1B	Feb-July	G2T1/S1.2	14
Plant	Club-haired mariposa lily	<i>Calochortus clavatus</i> var. <i>clavatus</i>			List 4	May-June		
Plant	Compact cobwebby thistle	<i>Cirsium occidentale</i> var. <i>compactum</i>	--	--	List 1B	Apr-June	G3G4T2/S2.1	16

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Plant	Cone Peak bedstraw	<i>Galium californicum ssp. luciense</i>	--	--	List 1B	Mar-Sept	G5T3/S2.3	17
Plant	Congdon's tarplant	<i>Centromadia parryi ssp. congdonii</i>	--	--	List 1B		G4?T3/S3.1	15
Plant	Cook's Tritelia	<i>Triteleia ixiodes cookie</i>			List 1B			
Plant	Coulter's goldfields	<i>Lasthenia glabrata ssp. coulteri</i>	--	--	List 1B		G4T3/S2.1	18
Plant	Crisp monardella	<i>Monardella crisper</i>	--	--	List 1B	Apr-Aug	G2/S2.2	19
Plant	Cuesta Pass checkerbloom	<i>Sidalcea hickmanii ssp. anomala</i>	--	SR	List 1B	May-June	G3T1/S1.2	20
Plant	Dacite manzanita	<i>Arctostaphylos tomentosa ssp. daciticola</i>	--	--	List 1B		G4T1/S1.1	22
Plant	Davidson's bush mallow	<i>Malacothamnus davidsonii</i>	--	--	List 1B		G1/S1.1	21
Plant	Davidson's saltscale	<i>Atriplex serenana davidsonii</i>			List 1B			
Plant	Diamond-petaled California poppy	<i>Eschscholzia rhombipetala</i>	--	--	List 1B		G1/S1.1	23
Plant	Dudley's lousewort	<i>Pedicularis dudleyi</i>	--	SR	List 1B	Apr-June	G2/S2.2	24
Plant	Dune larkspur	<i>Delphinium parryi ssp. blochmaniae</i>	--	--	List 1B	Apr-May	G4T2/S2.2	25
Plant	Dwarf calycadenia	<i>Calycadenia villosa</i>	--	--	List 1B		G2/S2.1	26
Plant	Dwarf goldenstar	<i>(Bloomeria humilis)</i>	--	SR	List 1B	June	G1/S1.1	27
Plant	Dwarf soaproot	<i>Chlorogalum pomeridianum var. minus</i>	--	--	List 1B		G5T1/S1.2	28
Plant	Gairdner's yampah	<i>Perideridia gairdneri</i>			List 4	Jun-Oct		
Plant	Gambel's watercress	<i>Rorippa gambelii</i>	FE	ST	List 1B	Apr-Sept	G1/S1.1	29
Plant	Golden violet	<i>Viola aurea</i>			List 2			

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Plant	Hall's tarplant	<i>Deinandra halliana</i>	--	--	List 1B		G1/S1.1	30
Plant	Hardham's bedstraw	<i>Galium hardhamiae</i>	--	--	List 1B	Apr-Oct	G2/S2.3	31
Plant	Hardham's evening primrose	<i>Camissonia hardhamiae</i>	--	--	List 1B	Apr-May	G1Q/S1.2	32
Plant	Heartscale	<i>Atriplex cordulata</i>			List 1B			
Plant	Hearst's ceanothus	<i>Ceanothus hearstiorum</i>	--	SR	List 1B	Mar-Apr	G1/S1.2	33
Plant	Hearst's manzanita	<i>Arctostaphylos hookeri ssp. hearstiorum</i>	--	SE	List 1B	Feb-Apr	G3T1/S1.2	34
Plant	Hickman's onion	<i>Allium hickmanii</i>	--	--	List 1B	Apr-May	G2/S2.2	35
Plant	Hooked popcorn-flower	<i>Plagiobothrys uncinatus</i>	--	--	List 1B		G2/S2.2	36
Plant	Hoover's bentgrass	<i>Agrostis hooveri</i>			List 1B	Apr-Aug		
Plant	Hoover's button-celery	<i>Eryngium aristulatum hooveri</i>			List 1B			
Plant	Hoover's eriastrum	<i>Eriastrum hooveri</i>	FD	--	List 4	Mar-July	G3/S3.2	37
Plant	Hospital Canyon larkspur	<i>Delphinium californicum ssp. interius</i>	--	--	List 1B		G3T2?/S2?	38
Plant	Indian Knob mountainbalm	<i>Eriodictyon altissimum</i>	FE	SE	List 1B	Mar-June	G2Q/S2.2	39
Plant	Jared's pepper-grass	<i>Lepidium jaredii ssp. jaredii</i>	--	--	List 1B		G1T1/S1.2	40
Plant	Jones's layia (tidytips)	<i>Layia jonesii</i>	--	--	List 1B	Mar-May	G1/S1.1	41
Plant	Kellogg's horkelia	<i>Horkelia cuneata ssp. sericea</i>	--	--	List 1B		G4T1/S1.1	
Plant	Kern mallow	<i>Eremalche kernensis</i>	FE	--	List 1B	Mar-May	G3?T1Q/S1.1	42
Plant	La Graciosa thistle	<i>Cirsium loncholepis</i>	FE	ST	List 1B	May-Aug	G2/S2.2	43

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Plant	Large flowered fiddleneck	<i>Amsinckia grandiflora</i>	FE	SE	List 1B	Apr-May	G1/S1.1	44
Plant	Leafy tarplant	<i>Deinandra increscens foliosa</i>			List 1B			
Plant	Lemmon's jewelflower	<i>Caulanthus coulteri lemmonii</i>			List 1B			
Plant	Late-flowered mariposa lily	<i>Calochortus weedii</i> var. <i>vestus</i>	--	--	List 1B		G3?T2/S2.2	45
Plant	Lost Hills crownscale	<i>Atriplex vallicola</i>	--	--	List 1B		G1/S1.1	46
Plant	Maritime ceanothus	<i>Ceanothus maritimus</i>	--	SR	List 1B	Jan-Mar	G2/S2.2	47
Plant	Marsh microseris	<i>Microseris paludosa</i>			List 1B			
Plant	Marsh (swamp) sandwort	<i>Arenaria paludicola</i>	FE	SE	List 1B	May-Aug	G1/S1.1	48
Plant	Mesa horkelia	<i>Horkelia cuneata puberula</i>			List 1B			
Plant	Miles's milk-vetch	<i>Astragalus didymocarpus milesianus</i>			List 1B	Mar-June		
Plant	Mason's neststraw	<i>Stylocline masonii</i>	--	--	List 1B		G1/S1.1	49
Plant	Monterey manzanita	<i>Arctostaphylos montereyensis</i>	--	--	List 1B	Feb-Mar	G2/S2.1	88
Plant	Monterey pine	<i>Pinus radiata</i>	--	--	List 1B		G1/S1.1	50
Plant	Monterey spineflower	<i>Chorizanthe pungens pungens</i>	FT		List 1B			
Plant	Morro manzanita	<i>Arctostaphylos morroensis</i>	FT	--	List 1B	Dec-May	G2/S2.2	51
Plant	Most beautiful jewel-flower	<i>Streptanthus albidus peramoenus</i>			List 1B	Apr-June		
Plant	Munz's tidy-tips	<i>Layia munzii</i>	--	--	List 1B		G1/S1.1	52
Plant	Nipomo Mesa lupine	<i>Lupinus nipomensis</i>	FE	SE	List 1B	Mar-May	G1/S1.1	53

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Plant	Obispo indian paintbrush	<i>Castilleja densiflora ssp. obispoensis</i>	--	--	List 1B		G5T2/S2.2	
Plant	Ojai fritillary	<i>Fritillaria ojaiensis</i>	--	--	List 1B	Mar-May	G1/S1.2	54
Plant	Oso manzanita	<i>Arctostaphylos osoensis</i>	--	--	List 1B		G1/S1.2	56
Plant	Oval-leaved snapdragon	<i>Antirrhinum ovatum</i>	--	--	List 4	May-Nov	G3/S3.2	57
Plant	Pale-yellow layia	<i>Layia heterotricha</i>	--	--	List 1B		G1/S1.1	
Plant	Palmer's mariposa lily	<i>Calochortus palmeri var. palmeri</i>	--	--	List 1B		G2T2/S2.1	59
Plant	Panoche pepper-grass	<i>Lepidium jaredii ssp. album</i>	--	--	List 1B		G1T1/S1.2	60
Plant	Parish's checkerbloom	<i>Sidalcea hickmanii parishii</i>	FC	SR	List 1B			
Plant	Pecho manzanita	<i>Arctostaphylos pechoensis</i>	--	--	List 1B		G2/S2.2	61
Plant	Pismo clarkia	<i>Clarkia speciosa ssp. immaculata</i>	FE	SR	List 1B	May-June	G4T1/S1.1	62
Plant	Point Reyes bird's-beak	<i>Cordylanthus maritimus ssp. palustris</i>	--	--	List 1B	June-Oct	G4?T2/S2.2	63
Plant	Purple amole	<i>Chlorogalum purpureum var. purpureum</i>	FT	--	List 1B	Apr-May	G1T1/S1.1	64
Plant	Rayless ragwort	<i>Senecio aphanactis</i>	--	--	List 2		G3?/S1.2	65
Plant	Recurved larkspur	<i>Delphinium recurvatum</i>	--	--	List 1B	Mar-May	G2/S2.2	66
Plant	Round-leaved filaree	<i>Erodium macrophyllum</i>			List 2			
Plant	Saline Clover	<i>Trifolium depauperatum hydrophilum</i>			List 1B	Apr-June		
Plant	Salt marsh bird's-beak	<i>Cordylanthus maritimus ssp. maritimus</i>	FE	SE	List 1B	May-Oct	G4?T2/S2.1	67
Plant	San Benito fritillary	<i>Fritillaria viridea</i>	--	--	List 1B	Mar-May	G3/S3.2	69

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Plant	San Bernardino aster	<i>Symphyotrichum defoliatum</i>						
Plant	San Francisco gumplant	<i>Grindelia hirsutula</i> var. <i>maritima</i>	--	--	List 1B		G5T2S2.1	70
Plant	San Joaquin saltbush (=San Joaquin spearscale)	<i>Atriplex joaquiniana</i>			List 1B			
Plant	San Joaquin woollythreads	<i>Monolopia congdonii</i>	FE	--	List 1B	Mar-June	G3/S3.2	71
Plant	San Luis mariposa lily	<i>Calochortus obispoensis</i>	--	--	List 1B	May-July	G2/S2.1	72
Plant	San Luis Obispo County lupine	<i>Lupinus ludovicianus</i>	--	--	List 1B	Apr-July	G2/S2.2	73
Plant	San Luis Obispo dudleya	<i>Dudleya abramsii</i> ssp. <i>murina</i>				May-June		
Plant	San Luis Obispo (curly-leaved) monardella	<i>Monardella frutescens</i>	--	--	List 1B	May-Sept	G2/S2.2	74
Plant	San Luis Obispo sedge	<i>Carex obispoensis</i>	--	--	List 1B	Apr-June	G2/S2.2	75
Plant	San Luis Obispo wallflower	<i>Erysimum capitatum</i> ssp. <i>lompocense</i>	--	--	List 4		G5T3/S3.2	76
Plant	San Luis serpentine dudleya	<i>Dudleya abramsii</i> ssp. <i>bettinae</i>	--	--	List 1B	May-July	G3T1/S1.2	77
Plant	San Simeon baccharis	<i>Baccharis plummerae</i> ssp. <i>glabrata</i>	--	--	List 1B		G3T1/S1.2	
Plant	Sand Mesa manzanita	<i>Arctostaphylos rudis</i>	--	--	List 1B	Nov-Feb	G2/S2.2	81
Plant	Santa Lucia bush mallow	<i>Malacothamnus palmeri</i> <i>palmeri</i>			List 1B			
Plant	Santa Lucia manzanita	<i>Arctostaphylos luciana</i>	--	--	List 1B		G2/S2.2	78
Plant	Santa Lucia mint	<i>Pogogyne clareana</i>	--	SE	List 1B		G1/S1.2	79
Plant	Santa Margarita manzanita	<i>Arctostaphylos pilosula</i> ssp. <i>pilosula</i>	--	--	List 1B		G2/S2.2	80
Plant	Shining navarretia	<i>Navarretia nigelliformis</i> ssp. <i>radians</i>	--	--	List 1B		G4T1/S1.1	82

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Plant	Short-lobed broomrape	<i>Orobanche parishii</i> ssp. <i>brachyloba</i>	--	--	List 4	Apr-Oct	G4?T3/S3.2	83
Plant	Showy madia	<i>Madia radiata</i>	--	--	List 1B		G2/S2.1	84
Plant	Small-leaved lomatium	<i>Lomatium parvifolium</i>			List 4	Jan-Jun		
Plant	Soft-leaved indian paintbrush	<i>Castilleja mollis</i>	FE	--	List 1B	Apr-June	G1/S1.1	86
Plant	Splitting yarn lichen	<i>Sulcaria isidiifera</i>	--	--			G1/S1.1	
Plant	Straight- or One-awned spineflower	<i>Chorizanthe rectispina</i>	--	--	List 1B	May-July	G1/S1.2	55
Plant	Surf thistle	<i>Cirsium rhotophilum</i>	--	ST	List 1B	Apr-June	G2/S2.2	87
Plant	Umbrella larkspur	<i>Delphinium uliginosum</i>			List 2B			
Plant	Wells's manzanita	<i>Arctostaphylos wellsii</i>	--	--	List 1B		G2/S2.1?	89
Plant	Yellow flowered eriastrum	<i>Eriastrum luteum</i>			List 1B			
¹ Source: CDFG Special Animals List - February 2006								

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CODE	Picture	Habitat	Area found	Elevation	Type	Plant Characteristics
		(Habitat List)				
SAMA	1 2	Wet or dry adobe soil on grassy gullies, meadows and	Arroyo de la Cruz, Cerro Romualdo and Los Osos	Sea level to 1500 feet	Stout aromatic perennial herb	8-40 cm from thickened tap root
ARCR	1 2	Northern Coastal Scrub; infrequent on coastal hills	Sandstone ridge on NE side of Los Osos Valley;	< 150 m	Shrubs mound-shaped or with	Rarely over 5m tall; decumbent
CACL	1 2	Heavy soil on ocean bluff; associated with Ceanothus	Ocean bluff on Hwy. 1, 1.8 mi. north of Arroyo de la	about 50 m	Herbaceous perennial	Plant dwarfed 9-12 cm tall, internodes
DIMA	1 2	Frequent on low sand dunes, coastal perennial with widely	Low dunes nearest the beach from the west side of	< 50 m	Perennial; from heavy cordlike	
SCAT	1 2	closed-cone coniferous forests, chaparral, coastal dunes, coastal	Mallagh's Landing just east of Avila and hills bordering	< 500 m	perennial herb	
DUBL	1 2	Bare rocky areas on serpentine, found with Selaginella bigelovii;	First ridge west of Cerro Romualdo near SLO, also	Approx. 800 feet	Succulent perennial	Fl. stems, 1.5-2.5 dm tall
ERBL	1 2	Coastal dunes, Santa Barbara Area and San Luis Obispo Counties.		< 30 meters	Perennial herb (rhizomatous)	40-80 cm
ARSI	1 2	Old marine deposits, sandy hills, yellow pine forests, chaparral	Santa Cruz Mtns.	Below 1,800 feet	Woody evergreen without basal burl,	1.5-2.5 m high
CHBR	1 2	Areas of serpentine rock, dry rocky areas, chaparral, foothill woodlands;	Restricted to the southern portion of the Santa Lucia	< 800 m	Appressed cinerous annual herb;	0.5-1.5dm
SUCA	1 2	marshes and swamps (coastal salt)	beaches around Morro Bay	< 5 m	shrub (evergreen)	
CACA	1 2	Dry plains and slopes	Valley grasslands; east SLO County; southern	Below 3000 ft.	Erect annual, branched	2-5dm high
CHPR	1 2	Hard packed gravelly and pebbly soil. Plants growing around oaks	18 miles E of Creston on La Panza rd. Upper Camatta	Camatta Cyn approx. 1600	Perennial herb from a bulb	
CASU	NONE	chaparral, cismontane woodland	outer south coast ranges	< 500 m	perennial herb (rhizomatous)	
MAPA	1	interior valleys and foothills	Kearny, Cuesta Pass	< 800 m	shrub (deciduous)	
CIFO	1 2	Seep areas underlain by or near serpentine; associated with	Four highly localized sites: Chorro Creek, San Simeon	Below 1000 ft.	Perennial herb with stout, erect, reddish	0.5-2m tall
CIOC	1 2	Seacoast, sandy places, coastal strand (running into adjacent hills	Point Sierra Nevada north of Arroyo de la Cruz. South	< 50 m	Perennial herb. Grows from a tap	1-3 dm tall

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GACA	NONE	Open hills and woods	Redwood forest, closed-cone pine, mixed evergreen	Below 3,500 feet	Soft pubescent, herbaceous from	1.5 cm tall
CEPA	<u>1</u> <u>2</u>	alkaline valley and foothill grasslands, hard clay soil	low valleys just west of San Luis Obispo	< 100 m	annual herb	
LAGL	<u>1</u> <u>2</u>	marshes and swamps (coastal salt), playas, vernal pools	south coastal ranges	< 1000 m	annual herb	
MOCR	<u>1</u> <u>2</u>	Coastal dunes and back beaches; shifting dunes also in stabilized	North of Point Concepcion, Coastal Strand-Oceano	< 100 m	Perennial, bush branches +/-	
SIHI	<u>1</u> <u>2</u>	Cleared areas on serpentine soils at edge of sargent cypress forest	NW Cuesta Ridge on Los Padres National Forest	600-750 m	Perennial herb; stems 4-8 dm high	
ARTO	NONE	chaparral, cismontane woodland	Los Osos Valley	<300 m	shrub (evergreen)	
MADA	<u>1</u>	chaparral, coastal scrub, riparian woodlands, slopes, marshes	northwest of San Luis Obispo Co.	250-700 m	shrub (deciduous)	
ESRH	<u>1</u> <u>2</u>	Clay soil; Valley and foothill grassland	La Panza district	0-500 m	Herbage usually glabrous, annual or	
PEDU	<u>1</u> <u>2</u>	North Coast Coniferous Forest; maritime chaparral	Ridge system S. of Arroyo de la Cruz?	< 350 m	Perennial; leaves pubescent or	1-1.5 dm tall
DEPA	<u>1</u> <u>2</u>	chaparral (maritime), coastal dunes, sand	Endemic to the Nipomo dunes of southern San Luis	0-200 m	perennial herb	
CAVI	<u>1</u> <u>2</u>	chaparral, cismontane woodland, meadows and seeps, valley and	La Panza district	< 1100 m	annual herb	
BLHU	<u>1</u> <u>2</u>	Coastal grassland, highly localized, locally plentiful-ocean bluffs and	Between San Carpoforo Creek and Arroyo de la	All sites below 61 m	Perennial herb growing from	Less than 15 cm tall
CHPO	<u>1</u> <u>2</u>	chaparral, areas of serpentine rock	ridge northwest of Cuesta Pass and hills east of Morro	< 750 m	perennial herb	
ROGA	<u>1</u> <u>2</u>	Occasional in swampy places, Chaparral, Black Lake Canyon and		Mostly below 4000 ft.	Perennial; from horizontal	

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DEHA	<u>1</u>	chenopod scrub, cismontane woodland, valley and foothill	Cholame Valley, near junction of Cottonwood	300- 950 m	annual herb	
GAHA	<u>1</u>	<u>2</u> Usually under or near Cupressus sargentii or serpentine soil	Santa Lucia Mountains; Cypress Mtn area and		Perennial herb, not at all woody	Long matted, rooting at the
CAHA	<u>1</u>	<u>2</u> chaparral, cismontane woodland, decomposed carbonate		240-600	annual herb	
CEHE	<u>1</u>	<u>2</u> Low hills near coast north and south of Arroyo de la Cruz-coastal prairie,	Summit of a grassy plateau some 30 yds. off the stream	200 ft.	Evergreen shrub-forming ground	
ARHO	<u>1</u>	<u>2</u> Grassy hills and mesas, coastal scrub habitats. Semi-concealed by	(1977) Only 2 known stations each less than 10	200-300 ft. elevations,	Low, extremely prostrate,	
ALHI	<u>1</u>	<u>2</u> Open grassland along N. Coast; usually hidden in deep grass within	San Simeon, mesa summit south of Arroyo de la Cruz,	about 50 m	Herbaceous perennial from a	Small and largely hidden by grass,
PLUN	<u>1</u>	chaparral, cismontane woodlands, valley and foothill grasslands, sandy	Santa Lucia Mountains, Gabilan Range	300-600 m	annual herb	
ERHO	<u>1</u>	<u>2</u> Rolling plains, valley grassland		Below 500 ft.	Annual, erect with virgate branching,	1-2 dm high
DECA	<u>1</u>	cismontane woodland (mesic), slopes in open woodland, east side		300-800 m	perennial herb	
ERAL	<u>1</u>	<u>2</u> Disturbed areas in chaparral dominated by chamise and toyon	Southern part of the Lucian Endemism area; about 10	about 250 m	Viscid shrub, aromatic,	2-4 m tall
LEJR	<u>1</u>	<u>2</u> valley and foothill grasslands, alkaline and adobe soils, slopes,	Soda Lake on the Carrizo Plain	< 500 m	annual herb	
LAJO		Pastures and grassy slopes	Valley grassland; frequent along coast near SLO	Sea level to 500 feet	Vernal annuals	Up to 3.5 dm high
HOCU	<u>1</u>	<u>2</u> Closed-cone coniferous forest / Chaparral (maritime) / Coastal		10-200m		
ERKE	<u>1</u>	<u>2</u> valley and foothill grasslands, chenopod scrub		100-1000 m	annual herb	
CILO	<u>1</u>	<u>2</u> Moist hollows among coastal dunes; Coastal brackish marsh	At least from Black Lake southward	< 50 m	Annual, sometimes biennial	Mostly 5-20 dm high, with taproot

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AMGR	1	2	Open grassy slopes, below 1200 ft., valley grasslands, inner coast range		< 300 m	Erect, sparingly hispid below, thinly	3-6 dm high
CAWE	1	2	chaparral, cismontane woodlands, dry open coastal woodland		< 900	perennial herb	
ATVA		1	Chaparral scrub; alkaline vernal pools	Quite common in low ground on Carrizo plain,	< 200 m	Annuals with slender tap-root	Very low 2-5"
CEMA	1	2	Maritime chaparral; valley and foothill grassland	Coastal bluffs; specifically, hill summits south of Arroyo	< 150 m	Shrub (evergreen)	Ground cover
ARPA	1	2	Wet soil, coastal freshwater marshes, scarce or hidden by larger	From lower Arroyo Grande to Oso Flaco Lake: Black	< 300 m	Perennial with slender rhizomes,	3-7 dm long
	1	2					
STMA			chenopod scrub, pinyon and juniper woodland, sandy soil, sandy	NW Tehachapi mountain area, San Joaquin Valley	100-400 m	annual herb	
ARMN	1	2	Chaparral and coastal scrub/sandy soils.	Toro mountain area	< 350 meters	Shrub	1-2 meters
PIRA	1	2	closed-cone conifer forest, oak woodland	Cambria, isolated stand to the north near Pico Creek	< 1200 m	tree (evergreen)	
ARMO	1	2	Coastal sand-plains, stabilized dunes; chaparral	In sand, south side of Morro Bay extending to just s. of	< 200 m	Shrub, not forming a burl, never	Rarely over 5 m tall
LAMU	1	2	alkaline clay, valley and foothill grasslands, chenopod scrub	alkaline clay soil from Cholame Valley to Carrizo	< 700 m	annual herb	
LUNI	1	2	Dry, open and disturbed, often gravelly; coastal dunes	Nipomo Mesa	5,000 feet	Annual	0.5-2 dm tall with slender stems to

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CADE	<u>1</u>	<u>2</u>	Valley and foothill grassland		10-400 m		
FROJ	<u>1</u>	<u>2</u>	Brush, among oaks and pines	N. coastal scrub, mixed evergreen forest, chaparral,	Below 2,500 feet	Bulbs of few scales and many "rice shrub (evergreen)	Stem to 12 dm long
AROS	<u>1</u>		chaparral, woodland, cismontane woodland	W. Los Osos Valley, south central coast	300-500 m		0.3 to 1 m
ANOV	<u>1</u>	<u>2</u>	Inner coast ranges	Eastern San Luis Obispo County and in the	200-1000 m	Annual, simple or much branched	About a foot/a little more
LAHE	<u>1</u>	<u>2</u>	open clay soils	southern Coast ranges, western Transverse ranges,	< 1600 m	Annual herb	
CAPA	<u>1</u>	<u>2</u>	chaparral, lower montane conifer forest, meadows and seeps, mesic,	south central western California	1200-2200 m	perennial herb	
LEJA	<u>1</u>	<u>2</u>	valley and foothill grasslands, alluvial fans and washes, silt or fine	Carrizo Plain, south of Soda Lake	< 500 m	annual herb	
ARPE	<u>1</u>	<u>2</u>	closed-cone coniferous forests, chaparral, coastal scrub, siliceous	localized in western part of San Luis Range from head	< 850 m	shrub (evergreen)	
CLSP	<u>1</u>	<u>2</u>	Old sand dunes at edge of chaparral and oak woodland, dry	Between Pismo beach and Arroyo Grande, Santa Lucia	Below 3,000 feet	Annual, erect to decumbent stems,	
COMP	<u>1</u>	<u>2</u>	marshes and swamps (coastal salt)		< 10 m	annual herb (hemiparasitic)	
CHPU	<u>1</u>	<u>2</u>	Cismontane woodland, valley and foothill grasslands		about 300 m	perennial herb (bulbiferous)	
SEAP			cismontane woodland, coastal scrub, alkaline soils	barren, gravely or sandy slopes east of Creston,	< 400 m	annual herb	
DERE	<u>1</u>	<u>2</u>	Widely distributed in alkaline soils, often associated with chenopod	Carrizo Plain	30-600 m	Purplish stems	1 to 2.5 ft
COMA	<u>1</u>	<u>2</u>	coastal dunes, marshes and swamps (coastal salt)	Restricted to salt marshes	< 10 m	annual herb (hemiparasitic)	
FRVI	<u>1</u>	<u>2</u>	Serpentine chaparral	Ridge Northwest of Cuesta Pass	1500 m	Perennial herb	

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GRHI	1	2	sandy, serpentine soils, slopes, coastal bluff scrub, coastal scrub,		< 400 m	perennial herb	
MOCO	1	2	Found in sandy, often alkaline plains	From Fresno southward to Kern county in the San	90-700 m	Low growing annual	Never more than a
CAOB	1	2	Heavy soil on ocean bluff, associated w/ Ceanothus maritimus	Ocean bluff on Hwy. 1, 1.8 mi. north of Arroyo de la	100 -500 m	Herbaceous perennial	foot Taller than C. Calochortus
LULU	1	2	Dry places - chaparral, sandy soils; sometimes carbonate	Southwest SLO Co., upper Arroyo Grande watershed -	Below 1,500 feet	Perennial, branching from	3-5 dm high
MOFR	1	2	Sandy places near coast, stabilized sands	Coastal Strand, N. Coastal Scrub, Closed-cone pine	Below 500 feet	Perennial herb, thick taproot,	2-4 dm high
CROB	1	2	Restricted to vicinity of brooks and streams on serpentine, chaparral,	Serpentine areas in Santa Lucia Range from	Below 2,000 feet	Sedge, densely cespitose, leaves	
ERLO	1	2	Chaparral, coastal scrub/sandy soils, San Luis Obispo County.	Guadalupe dunes.	< 500 meters	Perennial herb	
DUAB	1	2	Bare rocky areas on serpentine, found with Selaginella bigelovii;	First ridge west of Cerro Romualdo near SLO, also	Approx. 800 feet	Succulent perennial	Fl. stems, 1.5-2.5 dm tall
BAPL	NONE		Coastal scrub	San Simeon area. Occurs in topographic quads:	50-480m		
ARRU	1	2	chaparral, shale outcrops, slopes	southeast of Cuesta Pass, Santa Lucia Mountains	500-700 m	shrub (evergreen)	
ARLU	1		chaparral, shale outcrops, slopes	southeast of Cuesta Pass, Santa Lucia Mountains	500-700 m	shrub (evergreen)	
POCL	1	2	Riparian wilderness	Fort Hunter Liggett	300-400 m	Annual herb	15-25 cm
ARPI	1	2	Sandstone hills between San Luis Valley and the coast	Restricted to this county; higher elev. in La Panza	300-1100 m	Bark smooth, dark red, shrubs or small	Rarely over 5m tall
NANI	1		cismontane woodland, valley and foothill grasslands, vernal pools,	near Salinas River (San Miguel to Templeton)	100-1000 m	annual herb	

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ORPA	<u>1</u>	coastal bluff scrub, coastal dunes, coastal scrub, sandy		Below 6,000 feet	Usually viscid- pubescent plants	0.5-1.5 dm tall
MARA	<u>1</u>	cismontane woodlands, valley and foothill grasslands, inland south	west to Cammatti Creek	< 900 m	annual herb	
CAMO	<u>1</u>	<u>2</u> Sand dunes, usually among shrubs; Coastal Strand, Coastal Sage	Between Pismo Beach and Oceano (where now is	< 20 m	Perennial, suffrutescent	
SUIS		NO DATA				
CHRE	<u>1</u>	<u>2</u> Granite sand or disintegrating shale; chaparral; Coastal Scrub	La Panza Range and hills to west; summit between	200-600 m	Annual herb, never numerous, several	1-2 dm long, gray with an appressed
CIRH	<u>1</u>	<u>2</u> Coast at surf, dunes Coastal Strand, mostly in the open-facing	Pismo Beach, south of Oso Flaco Lake, Nipomo Mesa,	Sea level to 50 feet	Deep-rooted, bushy plants, short-lived	5-8 dm high
ARWE	<u>1</u>	<u>2</u> chaparral, sandstone outcrops, closed-cone conifer forests	hills southeast of SLO	< 400 m	shrub (evergreen)	

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2 mm across; yellowish; 2-3 cluster of flowers, ray	4-6 mm long, elliptic to usually alternate, soft,	3-4 mm across, achene, fleshy		The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman;
7-15 ray flowers usually 2-3 cm broad; purplish Petals 12-15 mm long; much corollas white to pink, petals usually pale pinkish,	opposite, 4-15 cm, broad at Oblong- spatulate; 1.5- 1-6 cm broad, the basal alternate, lower blade alternate, simple,	achene, warty- nutlets, 4 segments, 5-10 alternate, lower disk-like capsule or	Hybridizes with <i>M. undulata</i> var. NOTE: One large population	The Jepson Manual, edited by James C. Hickman; The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman; The Jepson Manual, edited by James C. Hickman;
Petals approximately 17-18 mm long; purplish- Dune larkspur flowers are 1-4 ray flowers white to Yellow, bright golden; 6 opening in evening,	Ternately finely 12-20 cm long, simple, petioled, basal generally alternate, Linear, 1 or rarely 2, alternate, basal, linear,	Capsules 4 mm Capsule flattened, follicles, aggregate achene, fleshy capsule, 5- 6 mm, capsule, stalked		The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman; The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman;
1 mm wide; white; racemes	Numerous, scattered	Siliques erect,	see CNPS Inventory for	The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz

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10-14 ray flowers, pale 2 mm across corolla; petals 2.8 -4.2 mm, yellow	usually alternate, Ovate, 2-4 mm long, alternate, simple to 2-	ray achenes, Didymous berry of 2 capsule, 13-25 mm		The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman;
Very small, white to blue or Small, 4-5 mm long Petals 5 mm long egg- corolla 1.5-2 mm wide, all	Truncate or broadly Small, elliptic to lanceolate 8- More or less flattened even simple, 1-2 cm found in	Capsule; ripe late Small 4-5 mm in capsule nutlet, 1- 1.3 mm,	There are no other prostrate Stems arise directly from bulb;	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman;
6-7 mm long; pale blue to usually 4 petals, sepals Corolla 11-15 mm long w/ petals about 3 mm, yellow Corolla 3.1-5.2 mm long;	Linear, entire to 3-cleft with simple, petioled, Linear 6-9 cm long 2-4 mm alternate, simple, 3-10 Chiefly subentire or	Capsule; oblong- aggregate of erect capsule, 0.4 mm capsule, 3- 4mm, achene, generally	3 populations (1979): Indian	The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman; The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman; The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
petals white to purplish, 8-25 Heads solitary of clustered at	alternate, simple, Glabrous, herbage not	capsule or berry, 3- achene, 3- 4 mm,		

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Orange, 14-18 mm long and 8- arrangement	Alternate arrangement	Nutlets, ovate-		The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip
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petals squarish, pale Flowers in axillary Usually blue, sometimes	alternate, basal 20-40 Gradually reduced, 1-3 teeth on each side, 6-	capsule, 4-5 cm, utricle Capsule	Threatened by illegal grazing	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz
Petals 5-6 mm long, 5 petals;	Rather uniform flat	Capsule-oblong,		The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz

inflorescence head 2-5 mm, Ovary finely glandular-pine cone, 6-15 cm,	simple, alternate, <11 Erect; petiole 4-6mm; blade generally three per bundle, 6-	achene, 0.7-1 mm, 8-12 mm wide finely seed, < wing	Also know as the Monterey	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman;
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Occasional rose-pink;	Cuneate to round or	Berry: red, brown or		The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz
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disk flowers- 5-many, corollas 7-9 mm long; lilac, edge w/	< 6 cm, linear to Well distributed,	achene, 2-3.5 mm, Pods, 1-1.5 cm		The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
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Brown-purple mottled with corolla white to pink, generally About 2 cm long with an disk flowers- 43-91, anthers petals 20-30 mm, generally	Ovate to linear lanceolate, 4- alternate, strongly Generally oval with no or very < 12 cm, elliptic to egg- alternate, linear-	Capsules 1.5-2.5 cm drupe, 5-8 mm wide, capsule, Many populations have apparently ovoid to achene, 4- 6.5 mm, capsule, erect, capsule no information on subspecies,	A California Flora and Supplement, by Philip Munz The Vascular Plants of San Luis Obispo County, A California Flora and Supplement, by Philip Munz The Vascular Plants of San Luis Obispo County, The Jepson Manual, edited by James C. Hickman; The Jepson Manual, edited by James C. Hickman; The Vascular Plants of San Luis Obispo County,
corollas generally 5- Petals 1.5- 2.5cm long; corolla pea-like, glabrous open during day, perianth disk flowers- < 40 corolla 15-24 flowers which have	alternate, strongly Linear to linear lanceolate, 1-6 generally alternate, alternate, linear, wavy, alternate, lower simple, petioled,	drupe, 8- 12 mm Caps +/- 4- sided, 1- capsule, loculicidal capsule, 3 mm, achene, densely aggregate of 3-5 Hoover did not agree with others	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
Flowers in a spike; bracts Perianth- segments 15-	generally alternate, Lower half of stem leafless,	capsule, loculicidal capsule, winged Also known from Monterey Co.	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,

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ray flower- 10-40, ligules 11-	entire to pinnately	achene, 3.5-4.2		The Jepson Manual, edited by James C. Hickman;
ray flowers, corollas yellow, Large, lemon yellow, anthers 10-12 mm long, pea-like;	alternate, 1-4.5 cm, Strongly recurved, 2-4 Cuneate or spatulate; 4-8	achenes Capsule Pods - 2-2.5 cm;	Severely threatened by official County flower	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
Heads 2-3 cm broad, corolla Spikelets 4-9 or more, the Petals yellow (- orange) Rosettes seldom over 15	Green, oblong-oblanceolate 3-10 mm wide, channeled, 2- Generally narrowly 2-7 cm long, narrowly	Nutlets dull yellow Achenes oblong, 3 Spreading , +- follicles, 5	Intergrades with ssp. capitatum Known only from three	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, See Vascular Plants of San Luis Obispo County, p. 302 The Vascular Plants of San Luis Obispo County,
corolla generally 5-	alternate, strongly	drupe, berry-like,		The Vascular Plants of San Luis Obispo County,
corolla generally 5- Calyx 4-4.5 mm, coarsely Panicle arrangement yellow petals, hairy near	alternate, strongly simple, opposite Cuneate to rounded or simple, alternate, 2-	drupe, berry-like, nutlets, 4, hairy, 1.5 Berries, glabrous, capsule, 1-3	Also known from Monterey County	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,

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Corolla 18-22 mm long, lips 5-disk flowers- corollas yellow	0 true leaves generally opposite	capsule, 2-valved ray achenes,		The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
Corolla 17-18 mm long;	Entire, oblong 3-7 cm long;	Capsule, 16 mm		The Vascular Plants of San Luis Obispo County,
3.5 mm long; white; White, occasionally	Oblanceolate or spatulate, Fleshy spiny leaves,	Achene, 2,5 mm achene, ovoid,	Salinity may be an ecological	The Vascular Plants of San Luis Obispo County, The Vascular Plants of San Luis Obispo County,
corolla generally 5-	alternate, spreading to	drupe, berry-like,		The Vascular Plants of San Luis Obispo County,
